

## ABSTRACT

A fraud detection system within a fuel dispenser includes the ability to measure the amount of fuel dispensed through the fuel dispenser. The measurement is compared to a value independently created representing what the amount of fuel dispensed should approximate. If the values are not comparable, an alarm may be generated to indicate that the fuel dispenser has been modified to perpetrate fraud upon the customers. In particular, a reference used in the comparison is created bearing on a flow rate of the fuel being dispensed through the fuel dispenser. The flow rate is derived from a source independent of a pulser within the fuel dispenser providing the needed authenticity.